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Pamela J. Squyres

Name (printed)

Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Maitreyee Mahajani et al.

Application No.: 10/668693

Filed: September 23, 2003

Title: Storage Layer Optimization of a Non  
Volatile Memory Device

Attorney Docket No.: MA-105

Group Art Unit: 2811

Examiner: Unassigned

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir or Madam,

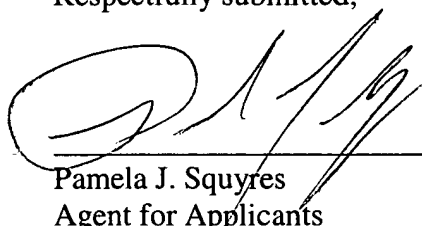
Pursuant to the obligation under 37 CFR § 1.56 and in conformance with 37 CFR §§ 1.97-1.99, Applicants hereby submit documents A1-A3 listed on the attached form PTO-1449 for consideration by the Examiner. Copies of the non-patent reference documents are enclosed herewith. Applicants request that the Examiner review the entire disclosure of these documents and make them of record.

App. No. 10/668693

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b). Further Applicants reserve the right to contest that any of the information submitted herewith is prior art against the present application.

Dated: January 28, 2004

Respectfully submitted,



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Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

<i>Complete if Known</i>	
Application Number	10/668693
Filing Date	September 23, 2003
First Named Inventor	Mahajani, Maitreyee
Group Art Unit	2811
Examiner Name	Unknown

Sheet 1 of 1

Attorney Docket No: MA-105

**US PATENT DOCUMENTS**

Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	A1	10/270127		Mahajani et al.			10/15/2002

**FOREIGN PATENT DOCUMENTS**

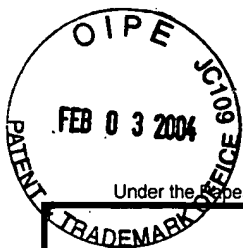
Examiner Initials*	Cite No	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
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**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A2	EVTUKH, A. A. ,et al. , "The Multilayer Silicon Nitride Films as a Media for Charge Storage in MNOS Structures", <u>1996 Int'l Nonvolatile Memory Technology Conference</u> , (4/96),pp. 91-93	
	A3	GOVOREANU, B. ,et al. , "VARIOT: A Novel Multilayer Tunnel Barrier Concept for Low-Voltage Nonvolatile Memory Devices", <u>IEEE Electron Device Letters</u> , 2003, (2003),pp. 1-3	

EXAMINER

DATE CONSIDERED



PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/668693	
	Filing Date	Sep 23, 2003	
	First Named Inventor	Mahajani, Maitreyee	
	Art Unit	2811	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	10	Attorney Docket Number	MA-105

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input checked="" type="checkbox"/> Information Disclosure Statement (2 pgs)	<input type="checkbox"/> CD, Number of CD(s) _____	Substitute 1449A/PTO form (1 pg)
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	References (6 pgs)
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Matrix Semiconductor
	Pamela J. Squyres, Reg. No. 52,246
Signature	
Date	January 28, 2004

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